

## Recombinant Human SIRPG (C-Fc) Catalog No: CG10

Description Recombinant Human Signal-Regulatory Protein gamma is produced by our Mammalian expression

systemand the target gene encoding Glu29-Pro360 is expressed with a Fc tag at the C-terminus.

Source Human Cells

Alternative name Signal-Regulatory Protein Gamma; SIRP-Gamma; CD172 Antigen-Like Family Member B;

Signal-Fegulatory Protein Beta-2; SIRP-b2; SIRP-Beta-2; CD172g; SIRPG; SIRPB2

Accession No. Q9P1W8

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Reconstitution** Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

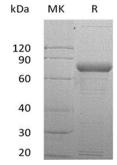
Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Background Signal-Regulatory Protein Gamma (SIRPG) is a member of the signal-regulatory protein (SIRP) family

and also belongs to the immunoglobulin superfamily. SIRPG is detected in the liver, and at very low levels in the brain, heart, lung, pancreas, kidney, placenta, and skeletal muscle. SIRPG is an immunoglobulin-like cell surface receptor. On binding with CD47, SIRPG mediates cell-cell adhesion. Engagement on T-cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation. SIRPG as receptor-type transmembrane glycoproteins is

involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes.



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